



Icon Plus


MEPV 144 cells — Eurener PV Module


> 550Wp





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Increased resistance
High salt mist and ammonia resistance
- 

Anti-PID
Ensured PID resistance
- 

Wider irradiance range
Improved performance under dawn, sunset and cloudy skies
- 

Half cut technology
Better shading tolerance
- 

High temperature performance
Better energy yield on sunny days
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Increased PV surface
Higher power output



20 Years

Product Warranty

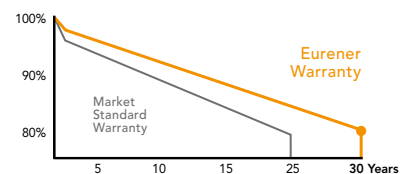
+5 years for Premium Partners

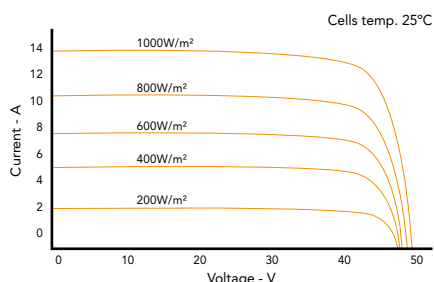
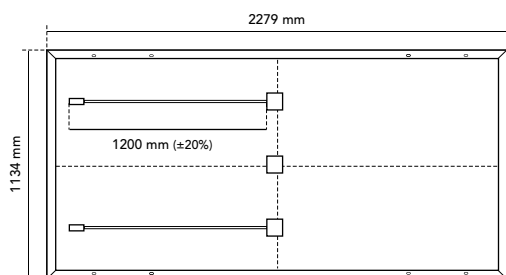
30 Years

Performance Warranty

Linear Warranty

80% performance at 30 years





Mechanical Specification	
Solar cells	144 (6 x 24), monocrystalline silicon cells
Front Glass	3,2 mm thick tempered glass with high strength and ARC
Frame	Silver anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Connector MC4 compatible
Cable	1200 mm (±20%) length and 4 mm ² section
Dimension	2279 x 1134 x 35 mm (±1%)
Area	2,58 m ²
Weight and packaging	28 kg, 620 pcs-truck

Temperature Coefficients	
Temperature coefficient of Isc (α)	0,047 %/°C
Temperature coefficient of Voc (β)	-0,27 %/°C
Temperature coefficient of Pmax (γ)	-0,34 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	44 ± 2 °C

Standard	MEPV 550
STC: 1000 W/m², module temperature 25°C, AM 1,5	
Nominal power. Pmax	550 Wp
Module efficiency	21,30 %
Short-circuit current (Isc)	13,93 A
Open-circuit voltage (Voc)	49,97 V
Maximum power current (Imp)	13,12 A
Maximum power voltage (Vmp)	41,95 V
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5	
Nominal power. Pmax	417,32 W
Short-circuit current (Isc)	11,24 A
Open-circuit voltage (Voc)	47,41 V
Maximum power current (Imp)	10,60 A
Maximum power voltage (Vmp)	39,39 V
Operating parameters	
Maximum voltage	1000 - 1500 V
Maximum series fuse rating. Ir	25 A
Power output tolerance	0 - +3%
Voc and Isc tolerance	±3%
Fire rating	Class C (UL 790)
Protection class	Class II (IEC 61140)
Hail resistance	HW3/RG3
Mechanical loads	Front load 5400 Pa, Back load 2400 Pa

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m², AM 1,5 and cells temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Eurener. Eurener_MEPV 144_ICON Plus_550Wp_EN_JAN2024